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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	34	Attorney Docket Number	16828.0013FPWO
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### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1	2002/0048760	04-25-2002	DRMANAC, et al.		
2	2002/0055125	05-09-2002	CHARYCH, et al.		
3	2002/0081714	06-27-2002	JAIN, et al.		
4	2002/0115068	08-22-2002	TOMLINSEN, et al.		
5	2002/0127598	09-12-2002	ZHOU, et al.		
6	2002/0142335	10-03-2002	STRITTMATTER, et al.		
	2003/0004122	01-02-2003	BEIGELMAN et al.		
7	2003/0050453	03-13-2003	SORGE JOSEPH A		
8	2003/0113738	06-19-2003	LIU, et al.		
9	2003/0182068	09-25-2003	BATTERSBY, et al.		
10	2003/0186233	10-02-2003	CHESNUT, et al.		
11	2004/0049008	03-11-2004	PEDERSEN et al.		
12	2004/0161741	08-19-2004	RABANI, et al.		
13	2004/0191812	09-30-2004	DAVYDOVA, et al.		
14	2004/0197845	10-07-2004	HASSIBI, et al.		
15	2004/0209282	10-21-2004	AULT-RICHE, et al.		
16	2004/0185484	09-23-2004	COSTA et al.		
17	2005/0025766	02-03-2005	LIU et al.		
18	2005/0130173	06-16-2005	LEAMON, et al.		
19	2005/0158765	07-21-2005	MORGAN et al.		
20	2006/0246450	11-02-2006	FRANCH, et al.		
21	2006/0121470	06-08-2006	PEDERSEN		
22	2006/0234231	10-19-2006	FRESKGARD, et al.		
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24	2006/0269920	11-30-2006	FRESKGARD, et al.		
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31	2009/0035824	02-05-2009	LIU et al.		
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Examiner Signature	Date Considered
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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				<i>Complete if Known</i>
				Application Number      10/572,644
				Filing Date      25 August 2008
				First Named Inventor      Thomas Thisted
				Art Unit      1636
				Examiner Name      Christopher M. Gross
Sheet	2	of	34	Attorney Docket Number      16828.0013FPWO

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
32	2009/0149347		06-11-2009	LIU et al.	
33	2009/0239211		09-24-2009	FRESKGARD, et al.	
34	2009/0264300		10-22-2009	FRANCH, et al.	
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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	10/572,644
				Filing Date	25 August 2008
				First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
Sheet	3	of	34	Attorney Docket Number	
16828.0013FPWO					

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64	6,197,555		03-06-2001	KHAN, et al.	
65	6,210,900		04-03-2001	YAMASHITA, et al.	
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				First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
Sheet	4	of	34	Attorney Docket Number	16828.0013FPW0

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.*	Foreign Patent Document Country Code* Number* Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Related Figures Appear	T
92	DE 196 42 751		04-23-1998	Deutsches Krebsforsch	Abstract	✓
93	DE 196 46 372		06-19-1997	EVOTEC BioSystems GmbH	Abstract	✓
94	EP 0542770		05-26-1993	The Arizona Board of Regents		
95	EP 07666826		04-09-1997	Pharmaceopeia, Inc.		
96	EP 0778280		06-11-1997	Oxford Gene Technology IP Limited		
97	EP 0879219		11-25-1998	Abbott Laboratories		
98	EP 0962527		12-08-1999	Mitsubishi Chemical Corporation		
99	EP 1324045		07-02-2003	Affymetrix, Inc.		
100	EP 1402024		03-31-2004	Nuevolution A/S		
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102	EP 1514938		03-16-2005	National Institute of Advanced Science and Technology		
103	EP 1828381		09-05-2007	Rasmussen, Peter Birk		
104	EP 1832567		09-12-2007	President and Fellows of Harvard College		
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110	WO 1995/04160		02-09-1995	Isis Innovation Limited		
111	WO 1996/03418		02-08-1996	The Scripps Research Institute		
112	WO 1996/11878		04-25-1996	The Regents of the University of California		
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114	WO 1996/40201	12-19-1996	Chiron Corporation		T <sup>4</sup>
115	WO 1996/41011	12-19-1996	Spectragen, Inc.		
116	WO 1997/11958	04-03-1997	The Scripps Research Institute		
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118	WO 1997/27317	07-31-1997	Affymetrix, Inc.		
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122	WO 1998/58256	12-23-1998	The University of North Carolina at Chapel Hill		
123	WO 1999/42605	08-26-1999	Schwabacher, Alan, W.		
124	WO 1999/51546	10-14-1999	President Fellows of Harvard College		
125	WO 1999/64378	12-16-1999	Glycodesign Inc.		
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128	WO 2001/07657	02-01-2001	Phylos, Inc.		
129	WO 2001/56955	08-09-2001	Nanoscale Combinatorial Synthesis, Inc.		
130	WO 2002/03067	01-10-2002	Merck & Co, Inc.		
131	WO 2002/074978	09-26-2002	President and Fellows of Harvard College		
132	WO 2002/09078	12-12-2002	IRM LLC		
133	WO 2002/10186	02-07-2002	California Institute of Technology		
134	WO 2002/34948	05-02-2002	City of Hope		
135	WO 2002/40664	05-23-2002	Gencom Corporation	Abstract	✓
136	WO 2003/062417	07-31-2003	Mitsubishi Chemical Corporation	Abstract	✓

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137	WO 2003/076943	09-18-2003	Eidgenössische Technische Hochschule Zürich		T+
138	WO 2003/106679	12-24-2003	Aston University		
139	WO 2004/007529	01-22-2004	The Trustees of Princeton University		
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141	WO 2004/042019	05-21-2004	Pointilliste, Inc.		
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152	WO 2006/135786	12-21-2006	Praecis Pharmaceuticals, Inc.		
153	WO 2006/138560	12-28-2006	President and Fellows of Harvard College		
154	WO 2006/138666	12-28-2006	President and Fellows of Harvard College		
155	WO 2007/008276	01-18-2007	Ensemble Discovery Corporation		
156	WO 2007/011722	01-25-2007	President and Fellows of Harvard College		
157	WO 2007/016488	02-08-2007	Ensemble Discovery Corporation		

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159	WO 2007/062664		06-07-2007	Nuevolution A/S	
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				Application Number	10/572,644
				Filing Date	25 August 2008
				First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
Sheet	8	of	34	Attorney Docket Number	16828.0013FPW0

NON PATENT LITERATURE DOCUMENTS					
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	167	ABRAVAYA et al. "Detection of point mutation with a modified ligase chain reaction (GAP-LCR)", <i>Nucleic Acids Research</i> , vol. 23, No. 4, 675-682 (1995).			
	168	ACINAS et al. "PCR-Induced Sequence Artifacts and Bias: Insights from Comparison of Two 16S rRNA Clone Libraries Constructed from the same Sample", <i>Applied and Environmental Microbiology</i> , vol. 71, No. 12, 8966-8969, (2005).			
	169	AGARWAL, et al. "Total Synthesis of the gene for an alanine transfer ribonucleic acid from yeast", Abstract only, <i>Nature</i> , 227, 27-34 (1970).			
	170	ANONYMOUS. "Preparing Oligonucleotides for Antisense Experiments", <i>Glen Research Report</i> , vol. 10, 3 (1997 - December issue).			
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	180	BARANY, "Genetic disease detection and DNA amplification using cloned thermostable ligase", <i>Proc. Natl. Acad.</i> , Vol. 88, 189-193 (1991).			
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	182	BARANY, F. "The Taq star reaction: strand preferences reveal hydrogen-bond donor and acceptor sites in canonical sequence recognition", <i>Gene</i> vol. 65 149-165 (1988).			
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	184	BAYER, E. et al. "Liquid Phase Synthesis of Peptides", <i>Nature</i> vol. 237; 30 (June 1972).			
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	195	CANNE et al. "Chemical Protein Synthesis by Solid Phase Ligation of Unprotected Peptide Segments", <i>J. Am. Chem. Soc.</i> , 121, 8720-8727 (1999).BULLER, F. et al. "Discovery of TNF inhibitors from an DNA-encoded chemical library based on Diels-Alder cycladdition", <i>Chem Biol.</i> 16, 1075 (2009).			
	196	CHEN, et al. "Enzyme Engineering for Nonaqueous Solvents: Random Mutagenesis to Enhance Activity of Subtilisin E in Polar Organic Media", <i>Bio/Technology</i> 9, 1073-1077 (1991) - Abstract.BULLER et al., "Drug Discovery with DNA-Encoded Chemical Libraries", <i>Bioconjugate Chem.</i> , Vol. 21 (9), pp 1571-1580, (2010).			
	197	CHEN, et al. "Enzymes in Nonaqueous Solvents; Applications in Carbohydrate and Peptide Preparation", <i>Methods in Biotechnology</i> , Vol. 15, 373-374 (2001). BUSKIRK, et al. "Engineering a Ligand-Dependent RNA Transcriptional Activator", <i>Chem Biol.</i> 11, 1157-1163 (2004). This work is featured in a Research Highlight in <i>Nature Methods</i> 1, 6-7 (2004).			
	198	CHU et al. "Ligation of oligonucleotides to nucleic acids or proteins via disulfide bonds." <i>Nucleic Acids Research</i> . Vol. 16, No. 9, pp. 3671 -3691 (1998).CANNE et al. "Chemical Protein Synthesis by Solid Phase Ligation of Unprotected Peptide Segments", <i>J. Am. Chem. Soc.</i> , 121, 8720-8727 (1999).			
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	200	CLARK, Matthew A. "Selecting chemicals: the emerging utility of DNA-encoded libraries", <i>Molecular Discovery Research</i> , GlaxoSmithKline, Waltham, MA, USA. Current Opinion in Chemical Biology (2010), 14(3), 395-403. Publisher: Elsevier B.V.CHEN, et al. "Enzymes in Nonaqueous Solvents; Applications in Carbohydrate and Peptide Preparation", <i>Methods in Biotechnology</i> , Vol. 15, 373-374 (2001).			
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	202	COTTON, et al. "Reactivity of cytosine and thymine in single-base-pair mismatches with hydroxylamine and osmium tetroxide and its application to the study of mutations", <i>Proc Natl Acad Sci (US)</i> , 85, 4397-401 (1988).CLARK et al. "Design, synthesis and selection of DNA-encoded small-molecule libraries", <i>Nat Chem Biol</i> 5, 647 (2009).			
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	207	DENAPOLI, et al. "PEG-supported Synthesis of Cyclic Oligodeoxynucleotides", <i>Nucleosides &amp; Nucleotides</i> , Vol. 12, No. 1 (1993).			
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				First Named Inventor	Thomas Thisted
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Examiner Signature	Date Considered
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Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/572,644
				Filing Date	25 August 2008
				First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
Sheet	19	of	34	Attorney Docket Number	16828.0013FPW0

NON PATENT LITERATURE DOCUMENTS					
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	321	UNKNOWN "Science & Technology: Concentrates", <i>Chem. &amp; Eng. News</i> 82 [40] 31 (2004)			T <sup>2</sup>
	322	UHLENBECK, et al. "T4 RNA Ligase", <i>The Enzymes</i> , vol XV, pp. 31-58 (1982).			
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	327	WALDER, JA., et al. "Complementary carrier Peptide Synthesis: General Strategy and Implications for Prebiotic Origin of Peptide Synthesis", <i>Department of Chemistry, and Department of Biochemistry and Molecular Biology, Northwestern University, Evanston, Illinois 60201, Vol. 76, No. 1, p. 51-55, (1979).</i>			
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	335	XU, Y, et al.	"A Novel 5'-Iodonucleoside Allows Efficient Non-enzymatic Ligation of Single-Stranded and Duplex DNA", Abstract, <i>Gen Research Catalog, Tetrahedron Letters</i> 38:5595-5598 (1997).				
	336	XU, Y, et al.	"High sequence fidelity in a non-enzymatic DNA autoligation reaction", <i>Nucleic Acids Research</i> , Vol. 27, No. 3; pages 875-881 (1999).				
	337	ZHU, et al.	"A Primer-dependent Polymerase Function of Pseudomonas aeruginosa ATP-dependent DNA ligase (LigD)", <i>Journal of Biological Chemistry</i> 280(1): 418-427 (2005).				
	338	Website of prof. David R. Liu,	publicly available 1 March 2001				
	339	Website of prof. David R. Liu,	publicly available 11 March 2000.				
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	341	Website of prof. David R. Liu,	publicly available 15 Oct 2003				
	342	Website of prof. David R. Liu,	publicly available 19 April 2001				
	343	Website of prof. David R. Liu,	publicly available 20 Nov 2002				
	344	Website of prof. David R. Liu,	publicly available 23 Sept 2001				
	345	Website of prof. David R. Liu,	publicly available 24 Sept 2002				
	346	Website of prof. David R. Liu,	publicly available April 23, 2003				
	347	Website of prof. David R. Liu,	publicly available August 1, 2003				
	348	Website of prof. David R. Liu,	publicly available August 2, 2002				
	349	Website of prof. David R. Liu,	publicly available February 8, 2003				
	350	Website of prof. David R. Liu,	publicly available February 10, 2004				
	351	Website of prof. David R. Liu,	publicly available February 15, 2001				
	352	Website of prof. David R. Liu,	publicly available December 16, 2003				
	353	Website of prof. David R. Liu,	publicly available June 4, 2002				
	354	Website of prof. David R. Liu,	publicly available June 6, 2003				
	355	Website of prof. David R. Liu,	publicly available March 27, 2003				
	356	Website of prof. David R. Liu,	publicly available March 31, 2001				
	357	Website of prof. David R. Liu,	publicly available Nov 29, 2002				
	358	Website of prof. David R. Liu,	publicly available Nov 30, 2001				
	359	Website of prof. David R. Liu,	publicly available Oct 17, 2002				

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				Examiner Name	Christopher M. Gross
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	361	European Office Action from European Application No. EP 02740409.4 dated 1 September 2005			
	362	Reply to European Office Action from European Application No. EP 02740409.4 dated 16 June 2006.			
	363	Intent to Grant from European Application No. EP 02740409.4 printed 13 October 2006.			
	364	Extended European Search Report from European Application No. 07114663.3 dated 25 May 2009.			
	365	Extended European Search Report from European Application No. 10 18 4311 dated 28 February 2011.			
	366	International Preliminary Examination Report from PCT No. PCT/DK02/00419 dated 28 January 2004.			
	367	International Search Report from PCT No. PCT/DK02/00419 dated 25 June 2003.			
	368	Restriction Requirement from US Serial No. 10/175,539 mailed 6 April 2005.			
	369	Response to Restriction Requirement from US Serial No. 10/175,539 mailed 6 May 2005.			
	370	Office Action (Non-Final Rejection) from US Serial No. 10/175,539 mailed 13 May 2005.			
	371	Response to Office Action (Non-Final Rejection) from US Serial No. 10/175,539 mailed 13 April 2006.			
	372	Office Action (Non-Final Rejection) from US Serial No. 10/175,539 mailed 14 May 2007.			
	373	Response to Office Action (Non-Final Rejection) from US Serial No. 10/175,539 mailed 13 September 2007.			
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	377	Office Action (Ex Parte Quayle Action) from US Serial No. 10/175,539 mailed 27 November 2007.			
	378	Response to Ex Parte Quayle Action from US Serial No. 10/175,539 filed 27 February 2008.			
	379	Notice of Allowance from US Serial No. 10/175,539 mailed 30 May 2008.			
	380	Issue Notification US Serial No. 10/175,539 issued 1 June 2010.			
	381	Office Action (Non-Final Rejection) from US Serial No. 12/330,709 mailed 27 October 2009.			
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	383	Notice of Allowance from US Serial No. 12/330,709 mailed 3 March 2011.				
	384	Request for Continued Examination and supplemental IDS from US Serial No. 12/330,709 filed 2 June 2011.				
	385	Office Action from European Application No. 03709676.5 dated 23 February 2005.				
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	395	1st Office Action from European Application No. 08169346.7 mailed 19 April 2011.				
	396	Response filed in European Application No. 08169346.7 mailed 23 March 2011.				
	397	International Search Report for PCT Application No. PCT/DK03/00172 mailed 3 November 2003.				
	398	Office Action (Non-Final) for US Serial No. 10/507,121 mailed 8 February 2007.				
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	418	2nd Restriction Requirement from US Serial No. 10/523,006 mailed 9 December 2009.			
	419	Response to 2nd Restriction Requirement from US Serial No. 10/523,006 filed 5 May 2010.			
	420	3rd Restriction Requirement from US Serial No. 10/523,006 mailed 3 August 2010.			
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	435	1st Office Action for European Application No. 03729906.6 mailed 17 May 2006.			T <sup>2</sup>
	436	Reply to 1st Office Action for European Application No. 03729906.6 mailed 9 March 2007.			
	437	2nd Office Action for European Application No. 03729906.6 mailed 22 September 2009.			
	438	Reply to 2nd Office Action for European Application No. 03729906.6 mailed 6 May 2010.			
	439	International Search Report for PCT Application No. PCT/DK03/00417 mailed 10 February 2004.			
	440	Restriction Requirement for US Serial No. 10/518,056 mailed 4 January 2008.			
	441	Response to Restriction Requirement for US Serial No. 10/518,056 filed 2 June 2008.			
	442	Office Action (Non-Final) for US Serial No. 10/518,056 mailed 8 October 2008.			
	443	Reply to Office Action for US Serial No. 10/518,056 filed 17 February 2009.			
	444	Office Action (Final Rejection) for US Serial No. 10/518,056 mailed 27 May 2009.			
	445	Notice of Appeal for US Serial No. 10/518,056 mailed 27 October 2009.			
	446	Amendment After Appeal for US Serial No. 10/518,056 filed 17 November 2009.			
	447	Advisory Action for US Serial No. 10/518,056 mailed 7 January 2010.			
	448	Request for Continued Examination and IDS for US Serial No. 10/518,056 filed 22 March 2010.			
	449	1st Office Action for European Application No. 04713515.7 mailed 19 October 2006.			

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete per application. Response times will vary depending upon the complexity of the application and upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-766-9199) and select option 2.

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Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/572,644
				Filing Date	25 August 2008
				First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
Sheet	26	of	34	Attorney Docket Number	16828.0013FPW0

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
	450	Reply to 1st Office Action for European Application No. 04713515.7 mailed 20 August 2007.				
	451	2nd Office Action for European Application No. 04713515.7 mailed 31 March 2008.				
	452	Reply to 2nd Office Action for European Application No. 04713515.7 mailed 5 December 2008.				
	453	3rd Office Action for European Application No. 04713515.7 mailed 6 September 2010.				
	454	Reply to 3rd Office Action for European Application No. 04713515.7 mailed 21 June 2011.				
	455	International Search Report for PCT Application No. PCT/DK2004/000116 mailed 23 August 2004.				
	456	Office Action (Non-Final) for US Serial No. 10/545,795 mailed 31 March 2008.				
	457	Response filed for US Serial No. 10/545,795 filed 30 September 2008.				
	458	Office Action for US Serial No. 10/545,795 mailed 27 January 2009.				
	459	Notice of Appeal filed for US Serial No. 10/545,795 filed 27 July 2009.				
	460	Amendment after Appeal for US Serial No. 10/545,795 filed 28 September 2009.				
	461	Office Action (Advisory Action) for US Serial No. 10/545,795 mailed 29 September 2009.				
	462	Request for Continued Examination and IDS for US Serial No. 10/545,795 filed 27 October 2009.				
	463	Office Action (Non-Final) for US Serial No. 10/545,795 mailed 16 November 2009.				
	464	Office Action (Non-Final) for US Serial No. 10/545,795 mailed 30 March 2010.				
	465	Office Action (Interview Summary) for US Serial No. 10/545,795 mailed 30 July 2010.				
	466	Response filed for US Serial No. 10/545,795 filed 30 August 2010.				
	467	Office Action (Final rejection) for US Serial No. 10/545,795 mailed 1 February 2011.				

Examiner Signature	Date Considered
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<sup>2</sup>This collection of information is required by 37 CFR 1.77 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

<sup>3</sup>DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	10/572,644
				Filing Date	25 August 2008
				First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
Sheet	27	of	34	Attorney Docket Number	16828.0013FPWO

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
	468	1st Office Action for European Application No. 04713517.3 dated 22 December 2006.				
	469	Reply to 1st Office Action for European Application No. 04713517.3 dated 19 October 2007.				
	470	2nd Office Action for European Application No. 04713517.3 dated 23 September 2008.				
	471	Reply to 2nd Office Action for European Application No. 04713517.3 dated 13 July 2009.				
	472	3rd Office Action for European Application No. 04713517.3 dated 14 February 2011.				
	473	International Search Report for International Application No. PCT/DK2004/000117 mailed 19 August 2004.				
	474	Restriction Requirement for US Serial No. 10/546,538 mailed 31 July 2008.				
	475	Response to Restriction Requirement for US Serial No. 10/546,538 filed 24 December 2008.				
	476	Office Action (Non-Final) for US Serial No. 10/546,538 mailed 10 June 2009.				
	477	Response to Office Action for US Serial No. 10/546,538 filed 9 December 2009.				
	478	Office Action (Final Rejection) for US Serial No. 10/546,538 mailed 8 June 2010.				
	479	Response to Office Action (Notice of Appeal) for US Serial No. 10/546,538 filed 8 December 2010.				
	480	Office Action (Communication re: Appeal) for US Serial No. 10/546,538 mailed 20 July 2011.				
	481	1st Office Action for European Application No. 04722237.7 dated 2 March 2006.				
	482	Reply to 1st Office Action for European Application No. 04722237.7 dated 20 December 2006.				
	483	2nd Office Action for European Application No. 04722237.7 dated 28 February 2007.				
	484	Reply to 2nd Office Action for European Application No. 04722237.7 dated 19 October 2007.				
	485	Intent to Grant for European Application No. 04722237.7 dated 18 January 2008.				

Examiner Signature	Date Considered
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Substitute for form 1449/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/572,644
(Use as many sheets as necessary)				Filing Date	25 August 2008
Sheet	28	of	34	First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
				Attorney Docket Number	16828.0013FPW0

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
	486	Amendment to Grant for European Application No. 04722237.7 dated 11 November 2008.				
	487	Decision to Grant for European Application No. 04722237.7 dated 5 February 2009.				
	488	European Search Report for European Application No. 09154197 mailed 15 September 2010.				
	489	International Search Report for International Application No. PCT/DK2004/000195 mailed 27 December 2004.				
	490	Restriction Requirement for US Serial No. 10/549,619 mailed 21 April 2008.				
	491	Response to Restriction Requirement for US Serial No. 10/549,619 filed 22 September 2008.				
	492	Office Action (Non-Final) for US Serial No. 10/549,619 mailed 28 April 2009.				
	493	Response to Office Action for US Serial No. 10/549,619 filed 26 October 2009.				
	494	Office Action (Interview Summary) for US Serial No. 10/549,619 mailed 3 March 2010.				
	495	Amendment filed for US Serial No. 10/549,619 filed 21 October 2010.				
	496	Notice of Allowance for US Serial No. 10/549,619 mailed 7 July 2010.				
	497	Amendment After Allowance for US Serial No. 10/549,619 filed 6 October 2010.				
	498	Issue Notification for US Serial No. 10/549,619 mailed 9 March 2011.				
	499	File Wrapper for Australian Application No. 2003273792.				
	500	Examination Report for Australian Application No. 2003273792 dated 6 May 2011.				
	501	Reply to 1st Office Action for European Application No. 03757752.5 dated 12 January 2006.				
	502	Amendment after ESP for European Application No. 03757752.5 dated 14 February 2006.				
	503	1st Office Action for European Application No. 03757752.5 dated 16 March 2006.				
	504	2nd Office Action for European Application No. 03757752.5 dated 15 February 2007.				
Examiner Signature				Date Considered		

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Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/572,644
				Filing Date	25 August 2008
				First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
Sheet	29	of	34	Attorney Docket Number	16828.0013FPW0

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	505	Reply to 2nd Office Action for European Application No. 03757752.5 dated 15 August 2007.			T <sup>2</sup>
	506	Summons for European Application No. 03757752.5 dated 11 August 2008.			
	507	Letter for Oral Proceeding for European Application No. 03757752.5 dated 15 December 2008.			
	508	Telephone Summary for European Application No. 03757752.5 dated 23 December 2008.			
	509	Letter for Oral Proceeding for European Application No. 03757752.5 dated 2 January 2009.			
	510	Oral Proceedings for European Application No. 03757752.5 dated 8 January 2009.			
	511	3rd Office Action for European Application No. 03757752.5 dated 14 January 2009.			
	512	Reply to 3rd Office Action for European Application No. 03757752.5 dated 17 July 2009.			
	513	Intent to Grant for European Application No. 03757752.5 dated 30 March 2010.			
	514	Decision to Grant for European Application No. 03757752.5 dated 19 May 2011.			
	515	Request for Corrections for European Application No. 03757752.5 dated 9 November 2010.			
	516	Office Action for Japanese Application No. 2005-501801 dated 6 April 2010.			
	517	Office Action for Japanese Application No. 2005-501801 dated 31 May 2011.			
	518	International Search Report for International Application No. PCT/DK03/00739 mailed 30 August 2004.			
	519	Restriction Requirement for US Serial No. 10/525,817 mailed 9 May 2007.			
	520	Response to Restriction Requirement for US Serial No. 10/525,817 filed 10 September 2007.			
	521	Restriction Requirement for US Serial No. 10/525,817 mailed 28 November 2007.			
	522	Response to Restriction Requirement for US Serial No. 10/525,817 filed 28 February 2008.			
	523	Restriction Requirement for US Serial No. 10/525,817 mailed 7 July 2009.			

Examiner Signature	Date Considered
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Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/572,644
				Filing Date	25 August 2008
				First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
Sheet	30	of	34	Attorney Docket Number	16828.0013FPW0

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
	524	Response to Restriction Requirement for US Serial No. 10/525,817 filed 5 October 2009.				
	525	Office Action (Non-Final) for US Serial No. 10/525,817 mailed 1 April 2010.				
	526	Supplemental Office Action for US Serial No. 10/525,817 mailed 5 April 2010.				
	527	Response filed for US Serial No. 10/525,817 filed 27 July 2010.				
	528	Office Action (Non-Final) for US Serial No. 10/525,817 mailed 5 January 2011.				
	529	Office Action (Interview Summary) for US Serial No. 10/525,817 mailed 1 July 2011.				
	530	Response filed for US Serial No. 10/525,817 filed 5 July 2011.				
	531	Restriction Requirement for US Serial No. 11/402,957 mailed 25 June 2008.				
	532	Response to Restriction Requirement for US Serial No. 11/402,957 filed 25 August 2008.				
	533	Office Action (Non-Final) for US Serial No. 11/402,957 mailed 28 November 2008.				
	534	Response filed for US Serial No. 11/402,957 filed 15 May 2009.				
	535	Office Action (Non-Final) for US Serial No. 11/402,957 mailed 6 July 2009.				
	536	Response filed for US Serial No. 11/402,957 filed 7 December 2009.				
	537	Office Action (Final Rejection) for US Serial No. 11/402,957 mailed 16 February 2010.				
	538	Response filed for US Serial No. 11/402,957 filed 28 July 2010.				
	539	Notice of Appeal filed for US Serial No. 11/402,957 filed 16 August 2010.				
	540	Notice of Allowance for US Serial No. 11/402,957 mailed 2 September 2010.				
	541	Request for Continued Examination filed for US Serial No. 11/402,957 filed 2 December 2010.				
	542	Second Notice of Allowance for US Serial No. 11/402,957 mailed 29 April 2011.				

Examiner Signature	Date Considered
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				Application Number	10/572,644
				Filing Date	25 August 2008
				First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
Sheet	31	of	34	Attorney Docket Number	16828.0013FPWO

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	543	1st Office Action for European Application No. 04762850.8 dated 6 December 2006.			T <sup>2</sup>
	544	Reply to 1st Office Action for European Application No. 04762850.8 dated 18 October 2007.			
	545	2nd Office Action for European Application No. 04762850.8 dated 24 January 2008.			
	546	Reply to 2nd Office Action for European Application No. 04762850.8 dated 2 September 2008.			
	547	Intent to Grant for European Application No. 04762850.8 dated 10 December 2008.			
	548	Decision to Grant for European Application No. 04762850.8 dated 8 October 2009.			
	549	Amendment after Grant for European Application No. 04762850.8 dated 17 July 2009.			
	550	International Search Report for PCT/DK2004/000630 mailed 14 February 2005.			
	551	Restriction Requirement for US Serial No. 10/572,644 dated 4 February 2009.			
	552	Response to Restriction Requirement for US Serial No. 10/572,644 dated 29 July 2009.			
	553	Restriction Requirement for US Serial No. 10/572,644 dated 21 July 2010.			
	554	Response to Restriction Requirement for US Serial No. 10/572,644 filed 19 January 2011.			
	555	Office Action (Non-Final) for US Serial No. 10/572,644 dated 29 October 2009.			
	556	Response to Office Action for US Serial No. 10/572,644 filed 28 April 2010.			
	557	Office Action (Non-Final) for US Serial No. 10/572,644 dated 31 March 2011.			
	558	1st Office Action for European Application No. 05715120.1 dated 12 April 2007.			
	559	Reply to 1st Office Action for European Application No. 05715120.1 dated 1 February 2008.			

Examiner Signature	Date Considered
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Substitute for form 1449/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/572,644
(Use as many sheets as necessary)				Filing Date	25 August 2008
Sheet	32	of	34	First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
				Attorney Docket Number	16828.0013FPW0

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	560	2nd Office Action for European Application No. 05715120.1 dated 25 March 2008.			T <sup>2</sup>
	561	Reply to 2nd Office Action for European Application No. 05715120.1 dated 9 January 2009.			
	562	Intent to Grant for European Application No. 05715120.1 dated 7 May 2009.			
	563	Amendment after Grant for European Application No. 05715120.1 dated 3 September 2009.			
	564	Decision to Grant for European Application No. 05715120.1 dated 1 October 2009.			
	565	International Search Report for International Application No. PCT/DK2005/000199 mailed 23 January 2006.			
	566	Office Action for US Serial No. 10/593,868 mailed 30 March 2009.			
	567	Response to Office Action for US Serial No. 10/593,868 filed 28 July 2009.			
	568	Notice of Allowance for US Serial No. 10/593,868 mailed 16 November 2009.			
	569	Amendment after Allowance for US Serial No. 10/593,868 filed 16 February 2010.			
	570	Issue Notification for US Serial No. 10/593,868 mailed 7 April 2010.			
	571	1st Office Action for European Application No. 05700655.3 dated 19 June 2007.			
	572	Reply to 1st Office Action for European Application No. 05700655.3 dated 11 April 2008.			
	573	2nd Office Action for European Application No. 05700655.3 dated 12 September 2008.			
	574	Reply to 2nd Office Action for European Application No. 05700655.3 dated 9 July 2009.			
	575	3rd Office Action for European Application No. 05700655.3 dated 12 August 2009.			
	576	Reply to 3rd Office Action for European Application No. 05700655.3 dated 9 February 2010.			
	577	Intent to Grant for European Application No. 05700655.3 dated 31 March 2010.			
	578	Amendment after Grant for European Application No. 05700655.3 dated 11 November 2010.			
	579	Decision to Grant for European Application No. 05700655.3 dated 2 December 2010.			
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				Application Number	10/572,644
				Filing Date	25 August 2008
				First Named Inventor	Thomas Thisted
				Art Unit	1636
				Examiner Name	Christopher M. Gross
Sheet	33	of	34	Attorney Docket Number	16828.0013FPW0

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	580	International Search Report for International Application No. PCT/DK2005/000106 mailed 12 September 2005.			T <sup>2</sup>
	581	Restriction Requirement for US Serial No. 10/589,551 mailed 7 April 2011.			
	582	1st Office Action for European Application No. 06818144.5 dated 11 December 2008.			
	583	Reply to 1st Office Action for European Application No. 06818144.5 dated 30 October 2009.			
	584	Intent to Grant for European Application No. 06818144.5 dated 23 February 2010.			
	585	Amendment after Grant for European Application No. 06818144.5 dated 7 October 2010.			
	586	Decision to Grant European Application No. 06818144.5 dated 5 November 2010.			
	587	European Search Report for European Application No. 10 19 2716 mailed 24 May 2011.			
	588	Invitation to Identify Subject Matter for European Application No. 10 192 717.6 dated 1 June 2011.			
	589	International Search Report for International Application No. PCT/DK2006/000685 mailed 14 June 2007.			
	590	Communication pursuant to Rule 161(1) and 162 for European Application No. 09765460.2 dated 14 March 2011.			
	591	Response to Rule 161(1) and 162 for European Application No. 09765460.2 dated 18 April 2011.			
	592	International Search Report for International Application No. PCT/DK2009/050129 mailed 21 August 2009.			

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	596	International Search Report for International Application No. PCT/DK2009/050129 mailed 21 August 2009.				
	597	Annex I: Vipergen Technology Paper – The YoctoReactor drug discovery technology platform. 2 pages.				
	598	Annex II: Vipergen Technology Paper – The YoctoReactor drug discovery technology platform. 2 pages. August 2008.				

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